

## REMARKS

Claims 18-28, 47-57 and 72-82 are presented for consideration. Claims 18, 28, 57, 72, and 82 are currently amended. Claims 1-17, 29-46 and 58-71 were previously cancelled.

### A. Amendments to Specification

The Specification is amended to correct typographical errors, to correct grammatical errors, or to maintain a proper antecedent basis between recited elements.

For example, Specification Amendment numeral 5 adds the word "curve" to the recited "frequency-versus-temperature characteristic curve of an oscillator", to better match at least Fig. 5.

Similarly, Specification Amendment numeral 9 changes one of two erroneously repeated occurrences of "V1" to better recited, "first and second varactors V1 and V2", and thereby better match at least Fig. 19.

### B. Amendments to Drawings:

In Figure 19, a reference numeral identifying the varactor having a junction node coupled to varactor V3 and to signal VCTL is changed from "V1" to "V4" to maintain a proper antecedent basis generally with the description of Fig. 19 recited at least at page 22, lines 8-27, and particularly with page 22, lines 26-27.

### C. Amendments to Claims:

Claims 18 is amended to maintain a proper antecedent basis between recited claim elements. Basically, the fifth and sixth paragraphs explain that the resonant circuit (recited in the fourth paragraph) includes a first tunable sub-circuit and a second tunable sub-circuit. Specifically, the fifth paragraph states that the first tunable sub-circuit is responsive to the temperature compensation input node, and the sixth paragraph states that the second tunable sub-circuit is responsive to the frequency control input node.

A typographic error in the seventh paragraph of claim 18, however, caused it to mistakenly state that the first tunable sub-circuit is responsive to the "frequency control input", which contradicts the fifth paragraph. This is corrected to more

properly state that the first tunable sub-circuit is responsive to the "temperature compensation input node to compensate for ... temperature variations".

The seventh paragraph of claim 18 further makes reference to "said resonant sub-circuit" without a clear antecedent basis for this "resonant sub-circuit". However, the seventh paragraph explains that "said resonant sub-circuit" is responsive to "said frequency control input node". Since the fifth and sixth paragraphs of the same claim explain that the recited resonant circuit includes a first tunable sub-circuit and a second tunable sub-circuit, and the sixth paragraph also explains that the second tunable sub-circuit is responsive to said "frequency control input node", it is clear that the "said resonant sub-circuit" of paragraph 7 should have recited, "said second tunable sub-circuit continuously responds to ... said frequency control input node".

Claim 28 is amended to maintain a proper antecedent basis with its base claim 18. Specifically, dependent claim 28, when making reference to the preamble of its base claim 18, refers to "the temperature compensation circuit of claim 18", but the preamble of claim 18 makes no mention of a "temperature compensation circuit". The preamble of claim 18 recites, "A variable frequency oscillator, comprising". Thus, claim 28 is amended to more properly recite, "An electronic device including the variable frequency oscillator of claim 18".

Claims 57 and 82 are amended for similar reasons as claim 28. Specifically when dependent claims 57 refers to the preamble of its base claim 47, claim 57 refers to "the temperature compensation circuit of claim 47". Similarly, when dependent claims 82 refers to the preamble of its base claim 72, claim 82 refers to "the temperature compensation circuit of claim 72". However, neither claim 47 nor 82 recite a temperature compensation circuit in their respective preambles. Rather, the preambles of claims 47 and 72 both state, "A variable frequency oscillator, comprising:". Thus, claims 57 and 82 are both amended to more properly recite, "An electronic device including the variable frequency oscillator of claim" 47 or 72, as appropriate.

Lastly, Claim 72 is amended to correct grammatical errors. Specifically, the word "an" is changed to the word "a", and the phrase "is response to" is changed to "is responsive to".

It is respectfully submitted that the proposed changes do not raise any new issues or require any further searching or consideration. Accordingly, entry of this amendment after allowance pursuant to 37 CFR §1.312 is respectfully requested.

Respectfully submitted,

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**AMENDMENTS TO DRAWINGS:**

The attached drawing sheet include changes to Fig. 19. This sheet, replaces the original sheet including Fig. 19. In Figure 19, a reference numeral identifying the varactor having a junction node coupled to varactor V3 and to signal VCTL is changed from "V1" to "V4" to maintain a proper antecedent basis generally with the description of Fig. 19 recited at least at page 22, lines 8-27, and particularly with page 22, lines 26-27.